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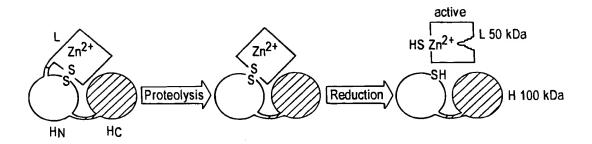


FIG. 1



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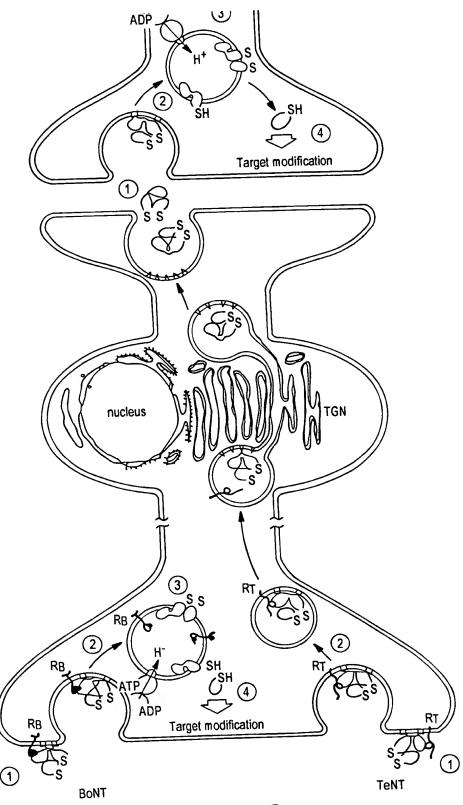
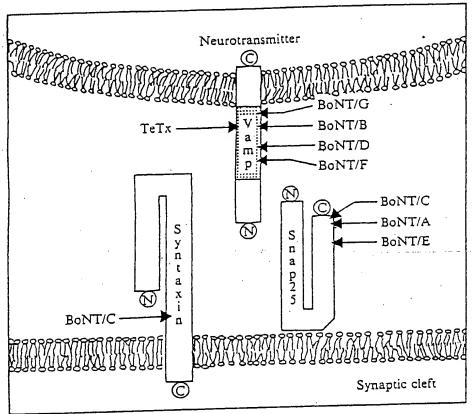
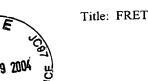


FIG. 2



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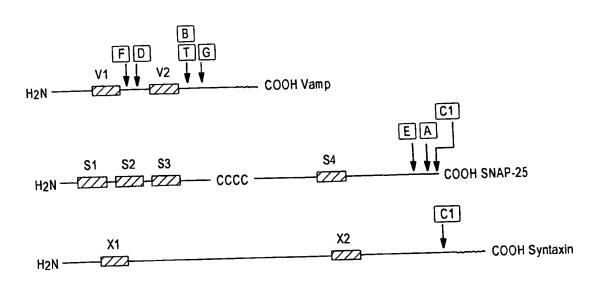


FIG. 4A

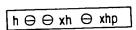


FIG. 4B

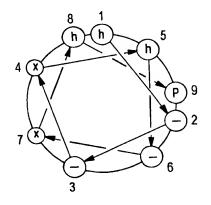
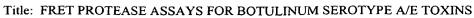


FIG. 4C



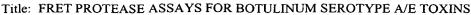
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SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin	l la in	55555	1
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FIG. 1



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<u>MSATAATJAPPAAPAGEGGPPAPPPNLTSNRRLQQTQAQVDEVVDIMRVNVDKVLERDQKLSELDDRADALQA</u> ĮPPAAPAGEGGPPAPPPNLTSNRRLQQTQAQVDEVVDIMRVNVDKVLERDQKLSELDDRADALQA MSAPAQPHABGTEGTAPGI-GGPPGPPPNAMTSNRRLQQTQAQVBEVVDTJJRVNVDKVLERDQKLSELDDRADALQA ppaapageggppapppnltsnrrlqqtqaqvdevvdimrvnvdkvlerdqklselddradalqa PPOPAPSNIGELQQTQAQVDEVVDIMRVNVDKVLERDQ GASQFETMAGKLKRKYWWKNJCKMMIILATILITITITITATIVOSOKK GASQFESSAAKLKRKYWWKNCKMIMLGAICAIIVVVIIVIFEI GASQFETSAAKLKRKYWWKNLKMMIILGVICAIILIIIVYFSS GASQFETSAAKLKRKYWWKNMPOMIIMGVICAIILIIIIVYFST GASOFETSAAKLKRKYWWKNLKMMIILGVICAIILIIIVYFST GASOFETSAAKLKRKYWWKNLKMMIILGVICAIILIIIVYFS MSATAAT MSATAAT (75) (73) (73) (73) (71) (57) 333333 VAMP Sea Urchin VAMP-2 MOUSE VAMP-1 HUMAN VAMP-2 HUMAN VAMP-2 MOUSE VAMP-2 HUMAN VAMP-1 HUMAN VAMP Bovine VAMP-2 Frog VAMP Bovine VAMP-2 Froq

VAMP Sea Urchin

Title: FRET PROTEASE ASSAYS FOR BOTULINUM SEROTYPE A/E TOXINS Steward, Lance E., et al.
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1 -MKDRIQELRIPAK-DSDDDDVAVIVD-RDRFMDEFFEQVEEIRGFIDKIAENVEEVRAKHSAIIASPNPDEKTK -MKDRIQELRIPAK-DSDDDDVIVIVD-RDRFMDEFFEQVEEIRGFIDKIAENVEEVKAKHSAIIAAPNPDEKTK -MKDRIQELRIPAK-DSDDDDVIVIVIVD-RDRFMDEFFEQVEEIRGFIDKIAENVEEVKAKHSAIIASPNPDEKTK MTKDRLAALHAAQSDDEETEVAVNVDGHDSYMDDFFAQVEEIRGMIDKVQDNVEEVKKKHSAIIASPNPDEKTK MTKDRLSAIKAAQSEDBQDDMHMDTG-NAQYMBEFFEQVEEIRGSVDJIAMVEEVKKKHSAIIASMPVNDQKTK MTKDRLSAIKAAQSEDBQDDMHMDTG-NAQYMBEFFEQVEEIRGSVDJIJAMVVEEVKKKHSAIIASMPVNDQKTK	150 EELEELMSDIKKTANKVRSKLKSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMSEYNATQSDYRERCKG GELEDLFADIKTANKVRSKLKAIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMTEYNATQSKYRFGRCKG EELEELMSDIKKTANKVRSKLKSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMFEYNATQSKYRFGRCKG GELEDLMADIKKNANFRYRGKLKGIEQNIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMTEYNFTQTDYRERCKG EELEDLMANIKRAANKVRGKLKGIEQNIEQEEGQNKSSADLRIRKTQHSTLSRKFVEVMTTYNFTQTDYRERCKG EELDELMANIKRAANKVRGKLKGIEDNALDHDEGG-AGNADLRIRKTQHSTLSRFFVEVMTDYNKTQTDYRERCKG EELDELMSDIKKTANKVRAKLKGMEQSIEQEESAKMSADNRIRKTQHSTLSRKFVEVMTDYNSTQTDYRERCKG	RIQRQLETTGRITTISEELEDMLESGNPAIFAGGIIMDSSISKOALSEIETRHSETIKLENSIRELHDMFMDMAML RIQRQLEITGRITTISEELEDMLESGKLAIFTDDIKMDSOMTKOALNEIETRHNEIIKLETSIRELHDMFMDMAML RIQRQLEITGRITTISEELEDMLESGNPAIFAGGIIMDSSISKOALSEIETRHSEIIKLETSIRELHDMFMDMAML RIQRQLEITGRETMDDELEKMLEEGNESVFTGSIIMETOQAKOTLADIEARHDDIMKLETSIKELHDMFMDMAML RIQRQLDIAGKOYDEDLEEMIESGNPAIFTGSIIMDTQOAKOTLADIEARHNDUMKLESSIRELHDMFMDMAML RIQRQLDIAGKSTTDAELEDMLESGNPAIFTSGIIMDTQOAKOTLADIEARHNDUMKLESSIRELHDMFMDMAML	226 VESQGEMIDRIEYNVEHAVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVIILGIVIJASTYGGIEFA VESQGEMIDRIEYNVEHAVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVIILGIVIJASTYGGIEFA VESQGEMIDRIEYNVEHAVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVIILGITIJASTIGGIEFG VESQGEMIDRIEYNVEHAMDYVQTJAFQDTKKALKYQSKARRKKIMILLIGTVLGILJAASYVSSYEM VESQGEMIDRIEYNVEQSVDYVEHAKEFVDRAVPDTKKAVKYQSKARRKKIMILLITUTGVILLITITITITITITILTITITITITITITILLITITITITITITITITITITITITITITITITITITITIT
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